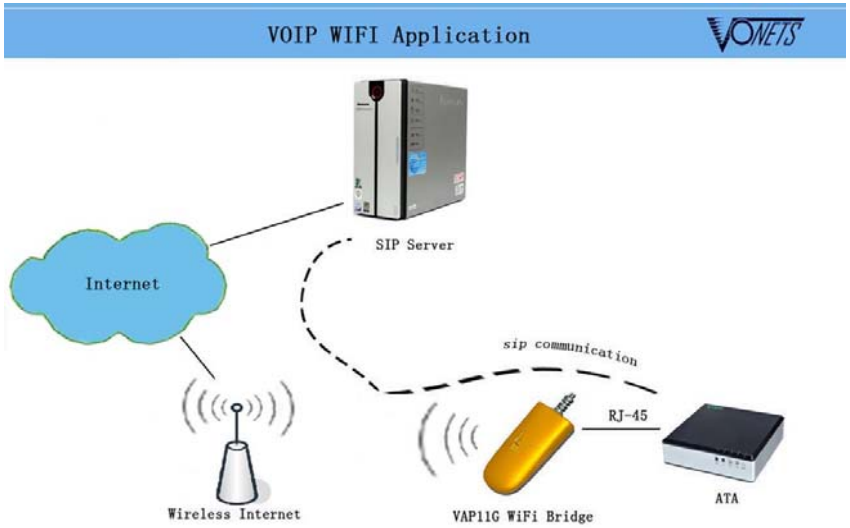
User Manual

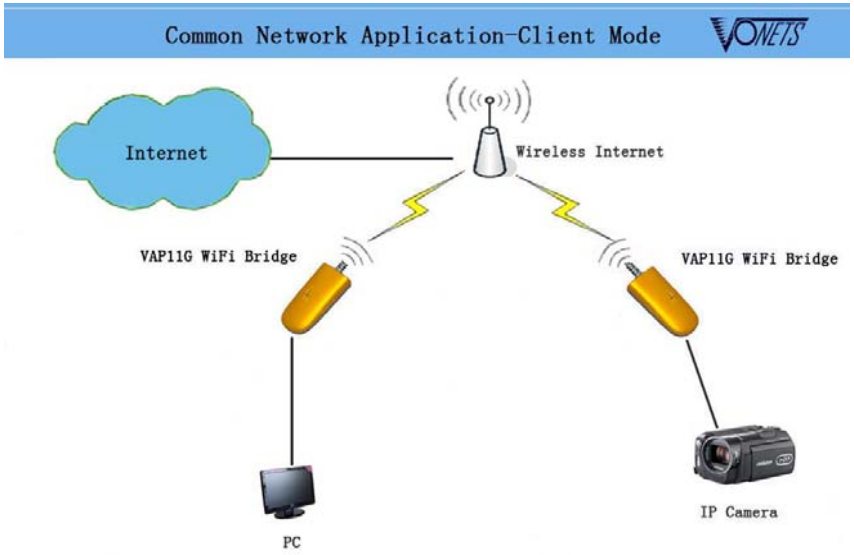
VAP11G WiFi Bridge

IEEE 802.11b/g

1. Introduction

Thanks for choosing Vonets VAP11G WiFi Bridge. With this portable device, VoIP Phone Adapters, IP Phones and other IT products with Ethernet RJ45 port can access wireless network easily. Two kinds of application topology of VAP11G are shown as below.

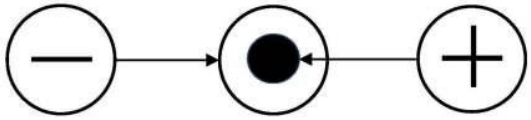




VAP11G provides users a combination of Ethernet network and power cable, VAP11G uses the original power supply of VoIP phone adapter or some other IT products' power supply which has DC 2.0 power jack (5-15V, 1.5W). One power supply can power VAP11G, as well as the VoIP phone adapter.

Please use power supply with the polarity as shown below. Power supply with different polarity will damage VAP11G and the devices which the power supply belongs to. Vonets will NOT be responsible for the loss caused by using the incorrect power supply. (Both Power Jack and Power Port are compliable with this polarity)

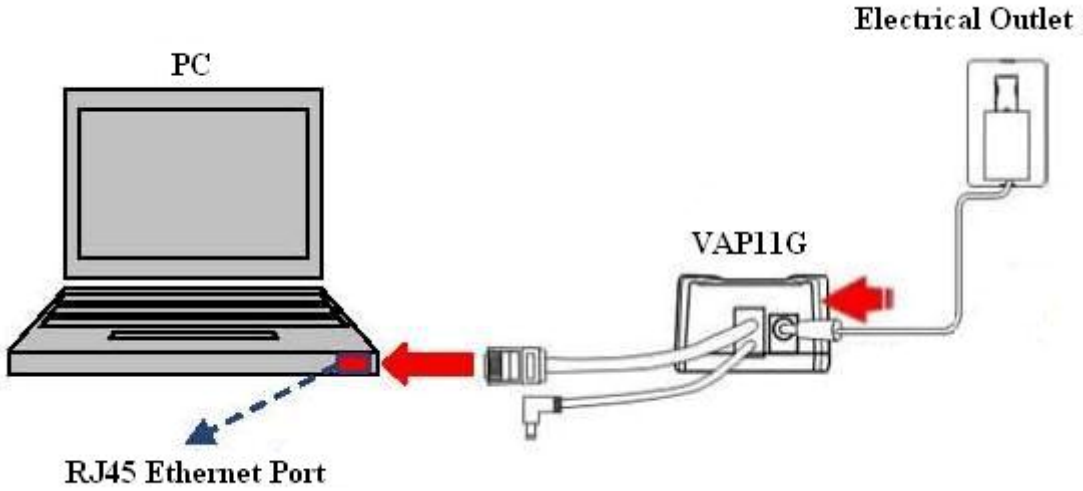
Alternatively, Vonets can also provide power supply for VAP11G(Optional).



Correct Power Adapter Polarity

2. Setup

Physical Connection for Setup

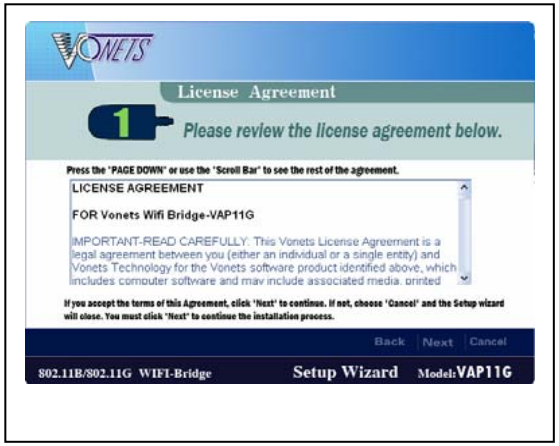


Running the Setup Wizard

1. Click Start Configuration on the first screen.

2. Reading the agreement, click Next if you agree,

   click Cancel to exit the wizard.

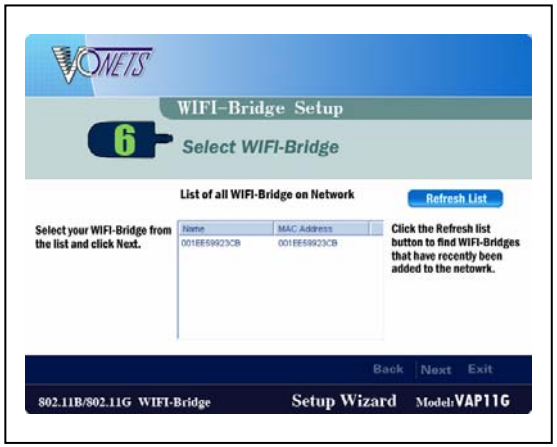

VONETS
License Agreement
1
Please review the license agreement below.
Press the 'PAGE DOWN' or use the 'Scroll Bar' to see the rest of the agreement.
LICENSE AGREEMENT
FOR Vonets Wifi Bridge-VAP11G
IMPORTANT-READ CAREFULLY: This Vonets License Agreement is a legal agreement between you (either an individual or a single entity) and Vonets Technology for the Vonets software product identified above, which includes computer software and may include associated media, printed
If you accept the terms of this Agreement, click 'Next' to continue. If not, choose 'Cancel' and the Setup wizard will close. You must click 'Next' to continue the installation process.
Back
Next
Cancel
802.11B/802.11G WIFI-Bridge
Setup Wizard
Model:VAP11G

3. After reading the Product Overview on screen 2, click Next.

4. Double check the physical connection according to the instruction on screen 3, 4 and 5.

   Please always click Next to continue.

5. Users can see a list of all VAP11G WiFi bridge can be detected by the wizard, select the one you are installing, click Next to continue. You can also click Refresh List button to check again.



6. Screen 7 will show a list of available wireless network can be detected and their specific information, including SSID, MAC address, Signal Strength, Channel and Security type, select one you are planning to enter.

   To enter a SSID of the network you want, click SSID button and complete the SSID field.

7. Configure the wireless security settings. Select the method your network is using, WPA, WPA2, WEP (128-Bit), or WEP (64-Bit). Then proceed to the appropriate instructions. If you are not using wireless security, select Disabled, and proceed to screen 10.

WPA

WPA automatically uses TKIP with dynamic encryption keys. Enter a passphrase on this screen.

Encryption - TKIP is automatically selected as the encryption method.

Passphrase - Enter a Passphrase, also called a pre-shared key, of 8-63 characters in the *Passphrase* field. The longer and more complex your Passphrase is, the more secure your network will be.

Click **Next** to proceed, or click **Back** to return to the previous screen.

Security Settings
8
Wired Equivalent Privacy (WEP) is an encryption method used to secure your wireless network.If you network uses WEP encryption, then enter its WEP settings on this screen.
WEP (128-Bit)
Select the level of WEP encryption used. A higher level of encryption means greater security. If your network is not using WEP encryption, keep the default setting, Disabled.
Enter the passphrase that will be used to generate the WEP key. The passphrase is case-sensitive and should not have more than 16 characters.
If you have etered a passphrase, then a WEP key will be automatically generated and displayed after you click Next. To manually enter a WEP key, leave the Passphrase field blank. Click Next and enter the WEP key on the following screen.
Back
Next
Exit
802.11B/802.11G WIFI-Bridge
Setup Wizard
Model:VAP11G

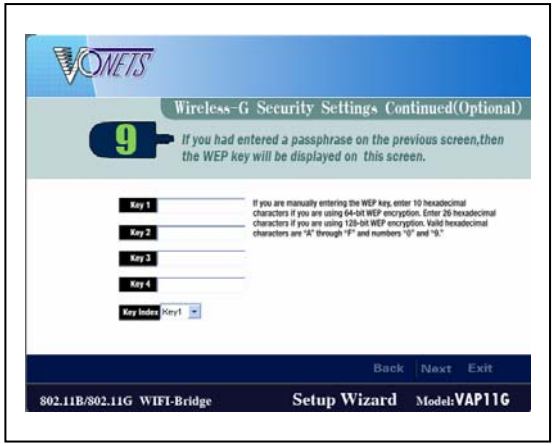
WPA2

WPA2 automatically uses AES with dynamic encryption keys (AES is a stronger encryption method than TKIP). Enter a passphrase on this screen.

Encryption - AES is automatically selected as the encryption method.

Passphrase - Enter a Passphrase, also called a pre-shared key, of 8-63 characters in the *Passphrase* field. The longer and more complex your Passphrase is, the more secure your network will be.

Click Next to proceed, or click Back to return to the previous screen.



WEP (128-Bit) or WEP (64-Bit)

Enter a passphrase in the *Passphrase* field and click **Next**. If you want to manually enter a WEP key, leave the *Passphrase* field blank and click **Next**.

Passphrase - Enter a passphrase in the *Passphrase* field, so a WEP key is automatically generated. The passphrase is case-sensitive and should not be longer than 16 alphanumeric characters. It must match the passphrase of your other wireless network devices.

A new screen will appear. If you entered a Passphrase, the WEP key(s) will be displayed. If you did not enter a Passphrase, enter the WEP key(s) on this screen. Then select the key you will use from the *Key Index* dropdown menu.

Key 1-4 - One to four fields will be displayed, depending on the level of encryption you have selected. The WEP key you enter must match the WEP key of your wireless network. For 64-bit WEP encryption, enter exactly 10 hexadecimal characters. For 128-bit WEP encryption, enter exactly 26 hexadecimal characters. Valid hexadecimal characters are “0” to “9” and “A” to “F”.

Key Index - The default transmit key number is **1**. If your network’s access point or wireless router uses transmit key number 2, 3, or 4, select the appropriate number from the *Key Index* drop-down menu.

Click Next to proceed, or click Back to return to the previous screen.

8. The New settings will be shown. Click Next to save your new settings.

9. VAP11G will attempt to connect the wireless network with the new settings.

Make sure the Bridge's Wireless LED is solidly lit or flashing. This indicates that the Bridge has connected to the wireless network. If the attempt succeeds, proceed to screen 12.

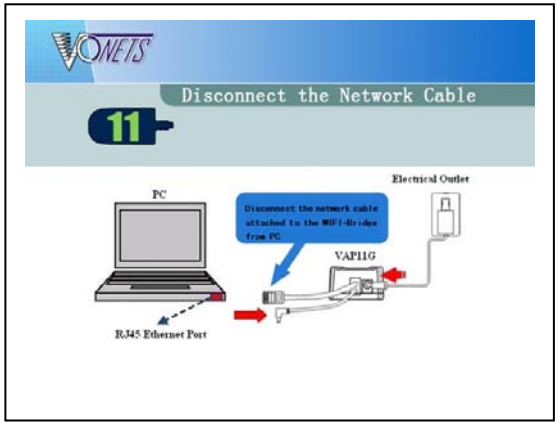
If the attempt fails, you have two options offered by a pop-up screen. Click the **Yes** button to save the new settings and proceed, or click the **No** button to return to the *Choose a Wireless Network* screen and reconfigure the settings

To make sure VAP11G is working, cut off all other internet connection to the PC (only reserve the connection between the PC and VAP11G). If you setup VAP11G successfully, the PC can view internet now.

3. Typical Application for VoIP Phone Adapter

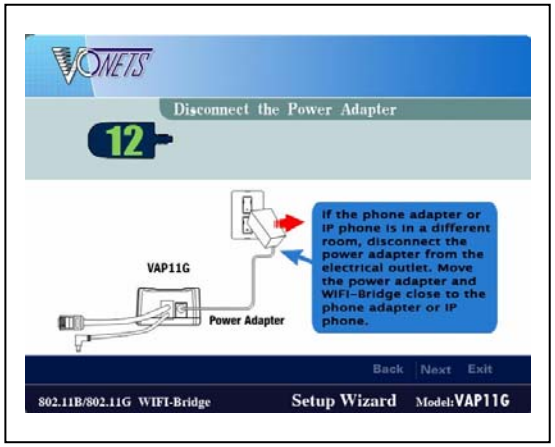
1. Disconnect the Ethernet cable of VAP11G from the PC.

   Click Next to proceed, or click Back to return to the previous screen.



2. Disconnect the power adapter from the electrical outlet.

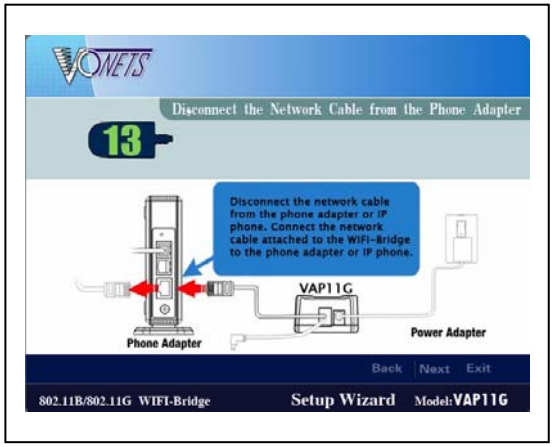
   Click Next to proceed, or click Back to return to the previous screen.


Disconnect the Power Adapter
12
If the phone adapter or IP phone is in a different room, disconnect the power adapter from the electrical outlet. Move the power adapter and WIFI-Bridge close to the phone adapter or IP phone.
VAP11G
Power Adapter
Back
Next
Exit
802.11B/802.11G WIFI-Bridge
Setup Wizard
Model:VAP11G

3. Disconnect the Ethernet cable form VoIP phone adapter.

You will use the combination Ethernet network and power cable attached to the Bridge. Connect the Ethernet network cable of the Bridge to the phone adapter or IP phone.

Click Next to proceed, or click Back to return to the previous screen.


VONETS
Disconnect the Network Cable from the Phone Adapter
13
Disconnect the network cable from the phone adapter or IP phone. Connect the network cable attached to the WiFi-Bridge to the phone adapter or IP phone.
VAP11G
Phone Adapter
Power Adapter
Back Next Exit
802.11B/802.11G WIFI-Bridge
Setup Wizard
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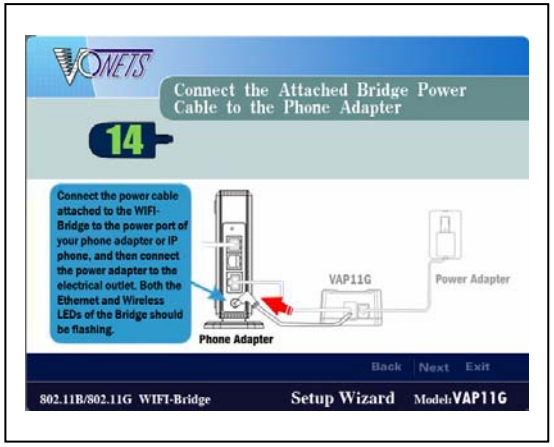
5. Connect the power cable of the Bridge to the Power port of the VoIP phone adapter. Then connect the power adapter to an electrical outlet.

Make sure the Bridge's Ethernet and Wireless LEDs are solidly lit or flashing.

Click Next to proceed, or click Back to return to the previous screen.


VONETS
Connect the Attached Bridge Power Cable to the Phone Adapter
14
Connect the power cable attached to the WIFI-Bridge to the power port of your phone adapter or IP phone, and then connect the power adapter to the electrical outlet. Both the Ethernet and Wireless LEDs of the Bridge should be flashing.
VAP11G
Power Adapter
Phone Adapter
Back Next Exit
802.11B/802.11G WIFI-Bridge
Setup Wizard
Model:VAP11G

5. Double check ethernet and power connection is followed by the Setup Wizard Instructions.

   Click Next to proceed to the end.

Congratulations! Now you can enjoy VoIP call by using wireless connection of VAP11G!